

Environmental Management Performance Report

June 2003



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Department of Energy
Richland Operations Office



Bechtel Hanford, Inc.
Environmental Restoration Contractor

Data as of month-end June

ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT
ENVIRONMENTAL RESTORATION
JUNE 2003

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**ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT
ENVIRONMENTAL RESTORATION
JUNE 2003**

INTRODUCTION

The monthly Environmental Restoration (ER) Environmental Management Performance Report (EMPR) consists of two sections: Section A - Executive Summary, and Section B – River Corridor Restoration. All data are current as of June 30, 2003, unless otherwise noted.

Section A – Executive Summary. The Executive Summary begins with a description of notable accomplishments for the current reporting month that are considered to have made the greatest contribution toward safe, timely, and cost-effective Hanford Site cleanup. Safety statistics are also included. Major commitments are summarized that encompass Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) milestones. Fiscal year 2003 (FY03) performance objectives and status are provided. Fiscal year-to-date ER Project cost and schedule variance analysis is summarized. Issues that require management and/or regulator attention are addressed along with resolution status. The Key Integration Activities section highlights site activities that cross contractor boundaries, supporting overall Hanford Site goals. The Executive Summary ends with a listing of major upcoming planned key events (90-day look ahead).

Section B – River Corridor Restoration. This section contains more detailed Environmental Restoration Contractor (ERC) monthly activity information and performance status for the three Project Baseline Summaries (PBSs) within the River Corridor Restoration outcome. These three PBSs consist of RC01 - 100 Area River Corridor Cleanup, RC02 - 300 Area Cleanup, and RC05 - River Corridor Waste Management.

PBS SC01 - Near-Term Stewardship is structured within the Site Stewardship outcome. Due to the minimal FY03 workscope identified for this PBS, SC01 performance data is included in the Executive Summary cost/schedule overview.

Performance Incentive and Safety information in this report is identified with a green, yellow, or red text box used as an indicator of the overall status. Green indicates work or issue resolution is satisfactory and generally meets or exceeds requirements, yellow indicates that significant improvement is required, and red indicates unsatisfactory conditions that require immediate corrective actions.

Section A - Executive Summary



F Reactor SSE Structural Steel Nearing Completion



Broken Concrete and Partially Sheared Pipeline Near C Reactor



Starting Test Excavation of 116-N-1 Crib



Overpacking a Suspected Leaking Drum at the ERDF Waste Staging Area

Data as of month-end June

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SECTION A – EXECUTIVE SUMMARY

Data as of month-end June

NOTABLE ACCOMPLISHMENTS

River Corridor Restoration:

The remedial action goal to complete 32 waste sites by June 30 was achieved. An additional 17 waste sites were also completed. As of the end of June, closure documentation had been submitted to the U.S. Department of Energy (DOE) Richland Operations Office (RL) for 49 waste sites. Waste site acceleration was initiated in April.

An Explanation of Significant Difference (ESD) for the *Interim Action Record of Decision (ROD) for the 100-BC-1, 100-BC-2, 100-DR-1, 100-DR-2, 100-FR-1, 100-FR-2, 100-HR-1, 100-HR-2, 100-KR-1, 100-KR-2, 100-IU-2, 100-IU-6, and 200-CW-3 Operable Units* (100 Area Remaining Sites Interim ROD) was submitted to RL for concurrent review with the regulatory agencies. The ESD serves to provide notice of nine changes to the ROD that clarify technical and regulatory requirements and information to improve compliance, provide additional flexibility, and close out an action item from the U.S. Environmental Protection Agency (EPA) five-year review process. The primary change is to add 33 newly discovered candidate waste sites to the ROD.

The *Remedial Design Report/Remedial Action Work Plan for the 100 Area*, Rev. 5, Draft A, and the *100 Area Remedial Action Sampling and Analysis Plan*, Rev. 4, Draft A, were submitted for RL, regulatory agency, and Natural Resource Trustee review. These revisions incorporate recommendations discussed at recent 100 Area Unit Managers' meetings.

An ESD for the *Record of Decision for the 300-FF-2 Operable Unit, Hanford Site* was submitted to RL for concurrent review with the regulatory agencies. The ESD serves to provide notice of four changes to the ROD that clarifies technical and regulatory requirements and information to improve compliance and provide additional flexibility. The primary change is to incorporate the new 300-FF-2 Operable Unit cleanup standard of 267 pCi/g for total uranium.

During June, 65,645 metric tons (72,362 tons) of contaminated waste were disposed in ERDF, for a total of 490,676 metric tons (540,881 tons) disposed to date in FY03. A total of 3,954,319 metric tons (4,358,913 tons) of waste have been disposed in ERDF since operations began in July 1996.

Control rods from the 118-C-4 Horizontal Rod Storage Cave were transported to ERDF for encapsulation on June 4. Loadout of demolition debris from the 117-DR Filter Building was completed on June 17.

ISS is progressing at D, F, and H Reactors. The kickoff meeting for the D Reactor roof safe storage enclosure (SSE) design was held on June 3. The design subcontractor started on-site walkdowns the week of June 9. Backfill of the D Reactor fuel storage basin (FSB) and the control room/electrical equipment room (Area 5) was also completed on June 23.

The 100 N Area ancillary facilities Removal Action Work Plan (RAWP) was approved by RL and the Washington State Department of Ecology (Ecology).

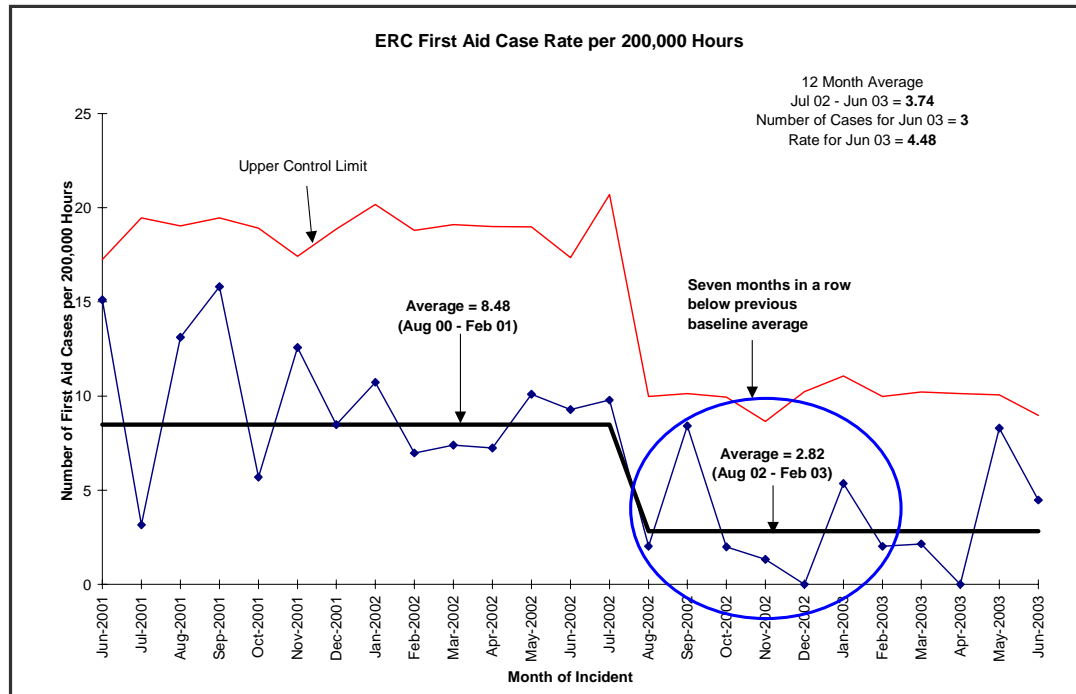
A subcontract was awarded for the B Reactor ventilation upgrade.

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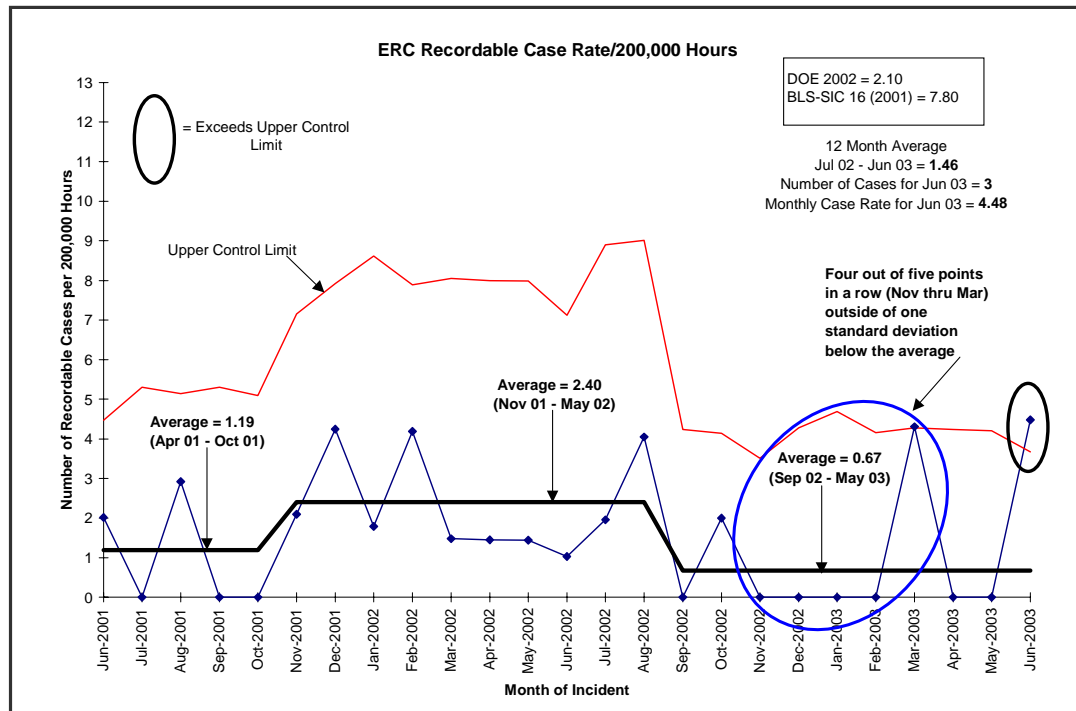
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SAFETY



GREEN

NOTE: This data has been stable since August 2002.

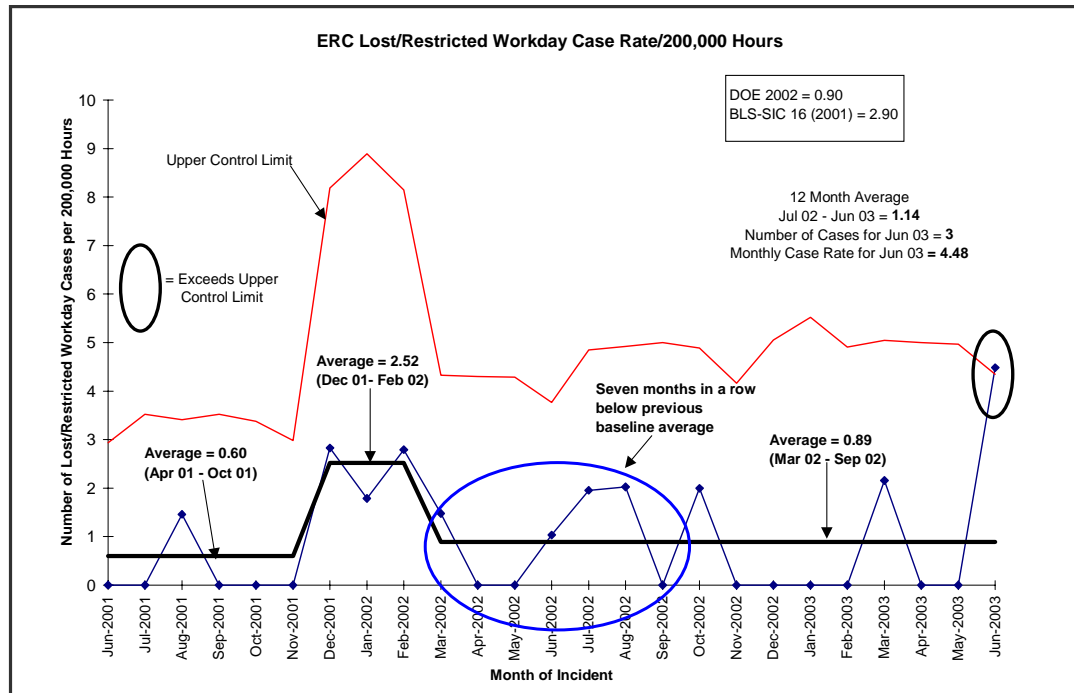


GREEN

NOTE: With a baseline average of 0.67, the upper control limit was exceeded due to 3 Recordable incidents during June. An Injury Review Team was formed, consisting of both craft and nonmanual employees, to specifically look into the circumstances surrounding injuries experienced during this period.

ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT ENVIRONMENTAL RESTORATION APRIL 2003

SAFETY continued:



NOTE: With a baseline average of 0.89, the upper control limit was exceeded due to 3 Lost/Restricted incidents during June. An Injury Review Team was formed, consisting of both craft and nonmanual employees, to specifically look into the circumstances surrounding injuries experienced during this period.

Safety:

The following actions have or are being taken by the Environmental Restoration Contractor (ERC) to focus on safety improvements:

- DOE's River Corridor Contract (RCC) announcement in April significantly altered BHI Voluntary Protection Program (VPP) Star Status application plans. After discussions with DOE, the following plan adjustments were made: BHI will provide to DOE in July a working draft rather than a final draft of the VPP Star Status application, the Bechtel-specific items on the Safety Improvement Plan (SIP) will not be worked, and support of the VPP field team activities will continue. Support for the field teams is considered essential to maintain the safety ownership and momentum the workers feel toward the creation of an appropriate safety culture.
- Bechtel Hanford, Inc. (BHI) continues to hold Senior ALARA meetings and Project Safety committee meetings monthly with Labor Stewards.
- The Subcontract Technical Representatives (STRs) continue to review and enhance "Exhibit G", Subcontractor Health and Safety Requirements.
- The STRs perform periodic self-assessments for subcontractor compliance to contract requirements.

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SAFETY continued:

- BHI continues to hold Incident Review Board meetings to ensure that the ERC has correctly and thoroughly determined the cause of any incidents and identified correctable opportunities. In addition, lessons learned based on these incidents are used to prevent future occurrences.
- All incidents are thoroughly investigated. Emphasis is placed on causes and corrective actions that can be implemented where applicable. Timely discussions take place in safety meetings and plan of the day (POD) meetings. When investigations are complete, the results are sent to the Area Superintendents, Field Superintendents, and Supervisors for review at the PODs.
- BHI continues to look for trends and consults with Corporate and other Bechtel National, Inc. (BNI) contacts for ways to enhance performance.
- The ERC continues to work closely with the Hanford Atomic Metal Trades Council (HAMTC) Safety Representative to resolve safety issues as they arise.
- Senior management continues to meet with small groups of employees in the field to discuss safety and personal commitment to safety.
- The Field Support General Superintendent, Subcontract Manager, and Project Safety Manager continue to visit different projects on a regular basis, meet with project team members, and conduct safety walkarounds. Area Superintendents for Decontamination and Decommissioning projects and Surveillance and Maintenance projects are included in these walkarounds. The walkaround participants visit projects other than those for which they are responsible. Information from the walkarounds is shared with the team and other Field Support personnel. Safety conditions requiring corrective action are assigned to project personnel or support personnel for action and are tracked to closure. This activity is ongoing.
- Field Support personnel conduct weekly safety inspections. Findings are entered into a database and tracked to closure. Daily inspections are also performed and logged in the project's daily logbook or daily report.
- The Alliance has revised the Sharing for Success goals to reduce lost time accidents and OSHA recordable rates for FY03.
- Summer months mean longer days, warmer temperatures, schools are closed, vacations are being planned, just to name a few distractions that may add to employees losing focus on their work activities. Management continues to emphasize to all employees the importance to stay focused on their work and to continue with a questioning attitude.

	FYTD	Current Period (05/12/03- 06/22/03)	Current Period Comments
First Aid	14	3	Foreign body in eye (1), strain (1), contusion (1)
OSHA Recordable	6	3	(see below)
Restricted Workday Case	4	2	Strains (2)
Lost Workday Case	1	1	Pain in elbow/shoulder

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SAFETY continued:

Status:

- As of June 30, 2003, the ERC had worked approximately 60,500 hours without a lost workday case. The last incident occurred on June 4, 2003 and became lost time on June 11, 2003. Continuous employee involvement is being fostered by the Integrated Environmental Safety and Health Management System (ISMS), VPP, labor alliance programs, e-mail communications, and one-on-one meetings with employees.
- During the period October 1, 2002 through June 30, 2003, the ERC experienced 14 first aid incidents, 5 lost/restricted incidents, and 1 recordable-only incident, which equates to having **93% of our workdays injury free**. During this time period, the ERC experienced a string of 68 consecutive **injury-free** workdays.
- The ERC continues to work diligently to provide accurate and timely reporting of occurrences, and to conduct followup fact-finding critiques to identify problems and improve safe field operations.
- An Injury Review Team was formed, consisting of both craft and nonmanual employees, to specifically look into the circumstances surrounding recent injuries to ERC personnel. The team's specific charge is to determine if commonalties existed and if one or more specific elements of BHI's work processes contributed to these injuries. The Review Team will report the findings to BHI management and the VPP Leadership Council in July.

Integrated Environmental Safety and Health Management System (ISMS):

A management walkthrough of the 3728 Sample Shipping Facility was performed on June 24 to verify that inspections for the de-ionized water system, eyewash station, chemical storage and satellite accumulation areas are current and documented. All inspections for the month of June were current, and no deficiencies were identified.

The Annual Radionuclide Air Emissions Report and the Hanford Site Air Operating Permit Annual Compliance Certification Report were submitted to the regulatory agencies. The Hanford Site Air Operating Permit requires submittal of these documents to the regulatory agencies. These documents provide information concerning air emission units of the Hanford Site.

Regulatory Support provided input to the Integrated Self-Assessment of the 186-N Water Plant. The assessor found that although most of the elements of a Small Water System Management Program (WAC 246-290-105) were in place, it would be prudent to put information regarding where the elements can be found in one location. In response to the assessment, the water plant purveyor developed a Small Water System Management Program manual.

During the process of working on the performance incentive site, maps were created for each of the waste sites. A number of the sites were enlarged to match ground-penetrating radar results and to ensure sample locations are within the waste site.

BHI conducted independent assessments of the:

- Industrial Hygiene Program
- Emergency Management Program
- Emergency Showers and Eyewash Program
- ERC 105-DR Large Sodium Fire Facility
- 100-NR-1 Operable Unit Treatment Storage and Disposal (TSD) Facilities

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SAFETY continued:

The ERC Quality Assurance Program Manual, BHI-QA-01, was updated and submitted to RL for yearly review and approval.

In May, the reporting frequency to RL for the ISMS metrics was changed from monthly to quarterly. April, May, and June monthly data, along with the FY03 third quarter metric data, will be reported to RL in July.

MAJOR COMMITMENTS

Tri-Party Agreement Milestones: Two (2) Tri-Party Agreement milestones were planned for completion during FY03. A total of three (3) Tri-Party Agreement milestones have been completed through June.

Total Tri-Party Agreement Milestones Due in FY03	2
Total Planned through June	0
Total Completed through June	3

Remaining Tri-Party Agreement Milestones to be Completed in FY03	0
Forecast Ahead of Schedule	0
Forecast On Schedule	0

Tri-Party Agreement Milestone M-16-10A, "Initiate Remedial Action in the 100-KR-1 Operable Unit", (due August 1, 2003) was completed on December 11, more than seven months ahead of schedule.

Tri-Party Agreement Milestone M-93-16, "Complete 105-DR Reactor Interim Safe Storage" (due September 30, 2003), was completed on January 29, eight months ahead of schedule.



Tri-Party Agreement Milestone M-16-13B, "Complete Remediation and Backfill of 16 Liquid Waste Sites and Process Effluent Pipelines in the 100-FR-1 and 100-FR-2 Operable Units as Defined in the Remedial Design Report/Remedial Action Work Plan for the 100 Area" (due October 29, 2004), was completed on May 20, more than 17 months ahead of schedule. An additional 14 waste sites were also backfilled, which made a total of 30 waste sites completed.

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PERFORMANCE OBJECTIVES

BHI focus area performance incentives are noted below. Specific River Corridor performance incentives are identified in Section B.

PIs - October through December 2002:

PI	Fee Allocation	Task	Status
 Execute Detailed Work Plan	Incentive fee shall not exceed 100%; if SPI is less than 75% at end of contract period, no fee shall be awarded.	Perform to approved DWP through contract period ending 12/31/02 in accordance with the SPI provision.	Through December, the SPI was 1.10, or 10% ahead of schedule. A Notice of Completion (NOC) was submitted to RL on February 21 for the October through December time frame. RL approved the NOC on May 6.
 Safety	Up to 50% of fee available for this PI may be forfeited if failure to satisfactorily meet PI in accordance with applicable requirements.	Protect worker safety and health, public safety and health, and the environment.	No issues or negative findings were identified with regard to the 14 applicable performance failure criteria associated with this performance incentive through December. A NOC was submitted to RL on March 4 for the October through December time frame. RL approved the NOC on May 6.

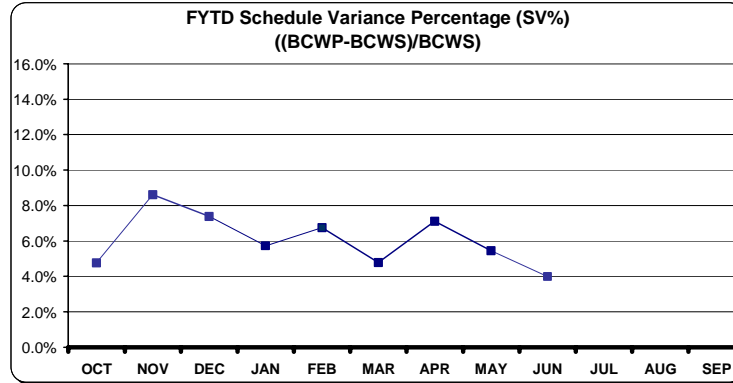
PI - January through June 2003:

PI	Fee Allocation	Task	Status
 Safety	Up to 50% of fee available for this PI may be forfeited if failure to satisfactorily meet PI.	Protect worker safety and health, public safety and health, and the environment.	No significant issues or findings were identified January 1 through June 30, 2003, with regard to the 14 applicable performance failure criteria associated with this performance incentive. During this time period, the ERC experienced 13 first aid incidents, 4 lost/restricted incidents, and 1 recordable-only incident, which equates to having 91% of our workdays injury free. As of June 30, 2003, the ERC has worked approximately 60,500 hours since the last lost workday incident which occurred on June 4, 2003, and became lost time on June 11, 2003. NOC package is currently being developed for transmittal to RL for approval.

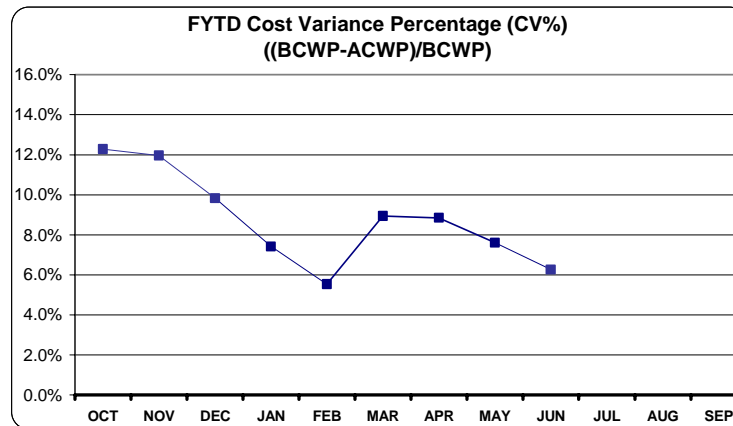
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TOTAL ERC COST/SCHEDULE OVERVIEW

**FY03 ERC PERFORMANCE SUMMARY
FYTD MAY 2003
(\$K)**



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
DWP	8,451	8,521	9,154	8,467	8,304	10,768	8,608	8,797	10,797	8,997	10,602	9,997
DWP (Accum)	8,451	16,973	26,127	34,594	42,898	53,666	62,274	71,071	81,868	90,865	101,466	111,463
CURRENT PERIOD												
BCWS	8,898	8,767	10,438	8,556	8,531	10,764	9,164	10,223	11,423	9,436	11,181	10,449
BCWP	9,322	9,863	10,993	8,579	9,484	10,384	11,124	9,700	10,777			
FISCAL YEAR TO DATE												
BCWS	8,898	17,665	28,103	36,659	45,190	55,955	65,119	75,342	86,765	96,200	107,381	117,830
BCWP	9,322	19,185	30,178	38,757	48,241	58,625	69,749	79,449	90,226			
SV	424	1,520	2,075	2,098	3,051	2,670	4,630	4,107	3,461			
SV%	4.8%	8.6%	7.4%	5.7%	6.8%	4.8%	7.1%	5.5%	4.0%			



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	EAC
CURRENT PERIOD													
ACWP	8,177	8,713	10,324	8,670	9,689	7,810	10,196	9,832	11,164				
BCWP	9,322	9,863	10,993	8,579	9,484	10,384	11,124	9,700	10,777				
FISCAL YEAR TO DATE													
ACWP	8,177	16,890	27,214	35,883	45,572	53,382	63,578	73,410	84,574				
BCWP	9,322	19,185	30,178	38,757	48,241	58,625	69,749	79,449	90,226				
CV	1,145	2,295	2,964	2,874	2,669	5,243	6,171	6,039	5,652				
CV%	12.3%	12.0%	9.8%	7.4%	5.5%	8.9%	8.8%	7.6%	6.3%				
EAC (Cumulative)	8,177	16,890	27,214	35,883	45,572	53,382	63,578	73,410	84,574	93,609	103,240	111,330	111,379

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TOTAL ERC COST/SCHEDULE OVERVIEW (continued)

**FY03 ERC PBS PERFORMANCE SUMMARY
FYTD JUNE 2003
(\$K)**

	FY03 DWP	CURRENT	FYTD			FYTD SCHEDULE VARIANCE			FYTD COST VARIANCE			EAC
	BCWS	BCWS	BCWS	BCWP	ACWP	\$	%	SPI	\$	%	CPI	
RC01	65,900	69,668	51,626	53,120	50,849	1,494	2.9%	1.03	2,271	4.3%	1.04	66,707
RC02	12,608	13,055	9,823	11,121	9,515	1,298	13.2%	1.13	1,606	14.4%	1.17	11,583
RC05	32,855	35,008	25,265	25,936	24,179	671	2.7%	1.03	1,757	6.8%	1.07	33,010
RCR-Subtotal	111,363	117,731	86,714	90,177	84,543	3,463	4.0%	1.04	5,634	6.2%	1.07	111,300
SC01	100	99	51	49	31	-2	-3.9%	0.96	18	36.7%	1.58	
SS-Subtotal	100	99	51	49	31	-2	-3.9%	0.96	18	36.7%	1.58	79
ERC TOTAL	111,463	117,830	86,765	90,226	84,574	3,461	4.0%	1.04	5,652	6.3%	1.07	111,379

Schedule Variance Summary:

Through June, the ER Project is \$3.5M (+4.0%) ahead of schedule. The positive schedule variance is attributed to the acceleration of the 300 Area 618-5 Burial Ground remediation operations, 100 N Area plume excavation completed ahead of schedule, 100 F Area cleanup verification/backfill proceeding ahead of schedule, and related ERDF operations ahead of schedule. F Reactor SSE roof installation is approximately one month ahead of schedule.

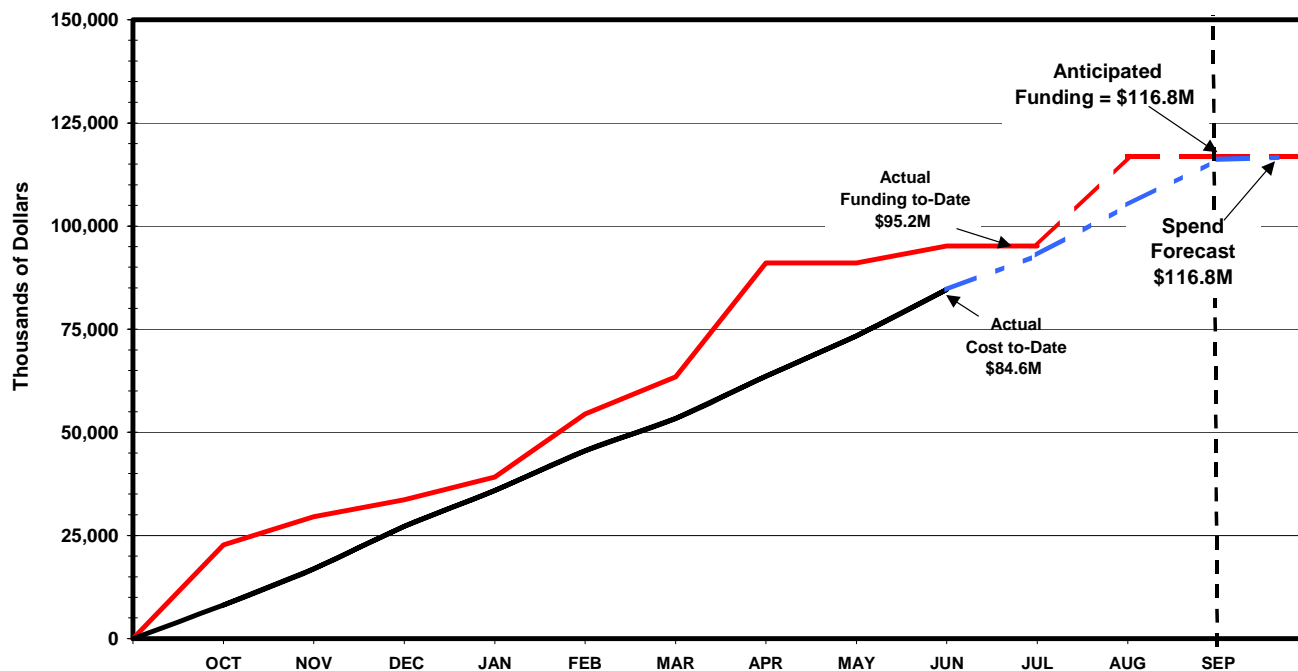
Cost Variance Summary:

At the end of June, the ER Project had performed \$90.2M worth of work, at a cost of \$84.6M. This results in a favorable cost variance of \$5.7M (+6.3%). The positive cost variance is attributed to consolidating common 618-4 and 618-5 Burial Ground remediation activities and prior-year rebill accounting adjustments that were realized in March. Underruns are partially offset by additional cost to resolve ISS higher than anticipated radioactive contamination findings.

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TOTAL ERC COST/SCHEDULE OVERVIEW (continued)

FY03 FUNDING VS. FORECAST EXPENDITURES (EAC)



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	Est. Outlay ETC	TOTAL
1 FY03 ERC FUNDING	22,717	29,506	33,639	39,169	54,469	63,380	91,038	91,038	95,160	95,160	116,809	116,809		
ACTUAL/EAC ON APPROVED SCOPE														
2 Actual Cost Cumulative Through June	8,176	16,889	27,213	35,883	45,572	53,382	63,578	73,410	84,574					
3 Current Monthly Actuals/EACs	8,176	8,713	10,324	8,670	9,689	7,810	10,196	9,832	11,164	9,035	9,631	8,090		
4 Cumulative Actuals/EACs on Approved Scope	8,176	16,889	27,213	35,883	45,572	53,382	63,578	73,410	84,574	93,609	103,240	111,330	49	111,379
JULY FY2003 APPROVED BCPs														
5 RC01 BCP-23064 Accelerate Subcontractor Demobilization at 100-FR										17	23	19		59
6 RC01 BCP-23066 Accelerate Excavation of Waste Sites 100-B-1 & 126-B-3										239	131	56		426
7 RC01 BCP-23068 Excavate Plumes on Pipelines 28/29 at 100 B/C										40				40
8 RC01 BCP-23070 Add 100 B/C Remaining Sites Confirmatory Sampling										112	197	470		779
9 RC01 BCP-23071 100 B/C Burial Grd Remaining Sites Final Design/Prepare RFPs										128	159	65		352
10 RC01 BCP-23072 Accelerate Waste at 116-K-1B & Backfill Minimization in FY05											119	179		298
11 RC01 BCP-23073 Accelerate Tonnage to Meet Performance Incentive										86	62	246		394
12 RC01 BCP-23075 Additional Tons at DR Reactor										322				322
13 RC01 BCP-23076 Accelerate 100 B/C Sampling Campaigns & CVPs										110	112	108		330
14 RC05 BCP-23078 Reduced Tonnage for LDR Lead Soil from 300-FF-2										(117)				(117)
15 Subtotal Approved Scope Changes										937	803	1143		2883
JULY FY2003 PENDING/SCOPE CHANGES														
16 RC01 BCP-23067 F Reactor CVP's										3	50	50		103
17 RC01 BCP-23069 107-N DQO/SAP										6	60	60		126
18 RC01 BCP-23X01 Additional Tonnage in 100 B/C & 100 K Areas											150	140		290
19 RC02 BCP-23X02 618-5 Burial Ground Quantity Reduction - Waste Minimization											(323)	(261)		(584)
20 RC02 BCP-23X03 Additional Oil-Contaminated Soil at 618-4 BG											60			60
21 RC02 BCP-23080 Accelerate 300 Area Regrade (Alternative 2)												100		100
22 RC05 BCP-23061 Increased Volumes Requiring Special Treatment at ERDF (Lead Brick Encapsulation)											213			213
23 RC05 BCP-23079 Prepare Vadose Monitoring Cost Estimate at ERDF											40			40
24 RC05 BCP-23081 Accelerate Treatment of the Drums of Uranium Oxide Powder											15	35		50
25 ALL BCP-23077 CERCLA Risk Assessment Expert												251		251
26 ALL BCP-23X04 Rate Adjustment for Direct Costs										(2565)				(2565)
27 ALL BCP-23X05 Implementation of the River Corridor Contract Transition											454	454	567	1475
28 ALL Pending Scope Additions, Deletions, etc. (Includes Central Plateau Accounting Adjusted Funding Allowance)										996	996	996		2988
29 Subtotal Approved BCPs + Pending BCPs										(623)	2518	2968	567	5430
30 Current Monthly Actuals/EACs + July FY03 Approved/Pending BCPs	8,176	8,713	10,324	8,670	9,689	7,810	10,196	9,832	11,164	8,412	12,149	11,057	567	
31 Cumulative Actuals/EACs + July FY03 Approved/Pending BCPs	8,176	16,889	27,213	35,883	45,572	53,382	63,578	73,410	84,574	92,986	105,135	116,192	616	116,809

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ENVIRONMENTAL RESTORATION
JUNE 2003**

ISSUES (REGULATORY/EXTERNAL/DOE)

See Section B issues.

KEY INTEGRATION ACTIVITIES

See Section B key integration activities.

UPCOMING PLANNED KEY EVENTS

Transition ER River Corridor workscope.

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SECTION B – RIVER CORRIDOR RESTORATION

Data as of month-end June

ACCOMPLISHMENTS

100 Area River Corridor Cleanup (RC01):

The remedial action goal to complete 32 waste sites by June 30 was achieved. An additional 17 waste sites were also completed. As of the end of June, closure documentation had been submitted to RL for 49 waste sites. Waste site acceleration was initiated in April. Additionally, 18 waste sites have been excavated through June.

Effluent pipeline remediation continues to move toward C Reactor. Remediation of the 126-B-3 Coal Pit waste site is also progressing.

Cleanup verification packages (CVPs), Rev. 0, were completed for the following three waste sites: 116-F-3 Trench, 116-F-10 Drain, and 100-F-35 Discovery Site.

Excavation of the 116-K-3 Retention Basin waste site is nearing completion. Only minor cleanup remains at the bottom of the excavation. The 199-K-33 well was also decommissioned. On June 1, excavation was initiated at the 116-K-1 Crib. Relocation of a power line was also initiated to allow access to effluent pipelines.

In the 100 N Area, exploratory excavation continues in the 116-N-1 Crib that supports the design of future crib remediation. Progress also continues on the preparation of the airborne contamination control trade-off study.

An Explanation of Significant Difference (ESD) for the *Interim Action Record of Decision (ROD) for the 100-BC-1, 100-BC-2, 100-DR-1, 100-DR-2, 100-FR-1, 100-FR-2, 100-HR-1, 100-HR-2, 100-KR-1, 100-KR-2, 100-IU-2, 100-IU-6, and 200-CW-3 Operable Units* (100 Area Remaining Sites Interim ROD) was submitted to RL for concurrent review with the regulatory agencies. The ESD serves to provide notice of nine changes to the ROD that clarify technical and regulatory requirements and information to improve compliance, provide additional flexibility, and close out an action item from the EPA five-year review process. The primary change is to add 33 newly discovered candidate waste sites to the ROD.

The *Remedial Design Report/Remedial Action Work Plan for the 100 Area*, Rev. 5, Draft A, and the *100 Area Remedial Action Sampling and Analysis Plan*, Rev. 4, Draft A, were submitted for RL, regulatory agency, and Natural Resource Trustee review. These revisions incorporate recommendations discussed at recent 100 Area Unit Managers' meetings.

Control rods from the 118-C-4 Horizontal Rod Storage Cave were transported to ERDF for encapsulation on June 4. Loadout of demolition debris from the 117-DR Filter Building was completed on June 17.

The kickoff meeting for the D Reactor roof safe storage enclosure (SSE) design was held on June 3. The design subcontractor started on-site walkdowns the week of June 9. Backfill of the D Reactor fuel storage basin (FSB) and the control room/electrical equipment room (Area 5) was also completed on June 23. Through June, ISS activities for D Reactor are 87% complete.

Loadout of H Reactor FSB Section 2 debris into ERDF containers was completed. To date, four spent fuel elements have been discovered during FSB demolition. Through June, ISS activities for H Reactor are 51% complete.

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ACCOMPLISHMENTS (continued)

F Reactor SSE installation continues to be approximately one month ahead of schedule. Through June, ISS activities for F Reactor are 96% complete.

The 100 N Area ancillary facilities Removal Action Work Plan (RAWP) was approved by RL and Ecology. The document is in the process of being issued.

100 Area surveillance and maintenance (S&M) tasks completed during June included:

- Awarded the subcontract for B Reactor ventilation upgrade.
- Completed asbestos removal from the 109-N facility steam trace lines. Also, repaired the damaged ductwork discovered during asbestos removal.
- Completed disposal of 100 K Area chemical legacy waste.

ERC cumulative socioeconomic contracting goals for small business, disadvantaged, and woman-owned small business have all been succeeded through June.

Preparation of the ERC FY04 Detailed Work Plan (DWP) was kicked off in June with issuance of the guidance documentation to the Projects. As directed by RL, the FY04 DWP will, again, be a one-year work plan that employs a graded approach to development of detail. The FY04 DWP will be a streamlined execution plan focusing on the early FY04 activity detail.

300 Area Cleanup (RC02):

On June 25, the 618-4/618-5 Burial Ground subcontractor completed site demobilization. Some scaffolding, scale house, and scale remain and will be demobilized when the loadout of the 618-4 Burial Ground oil-contaminated soil, and the remaining waste from the 618-5 Burial Ground are completed. This work is scheduled to start in mid-July.

An ESD for the *Record of Decision for the 300-FF-2 Operable Unit, Hanford Site* was submitted to RL for concurrent review with the regulatory agencies. The ESD serves to provide notice of four changes to the ROD that clarifies technical and regulatory requirements and information to improve compliance and provide additional flexibility. The primary change is to incorporate the new 300-FF-2 Operable Unit cleanup standard of 267 pCi/g for total uranium.

River Corridor Waste Management (RC05):

The ERDF Disposal team has worked 86 months (since project inception) without a lost time accident.

Asbestos waste from the 109-N facility, resins from the Effluent Treatment Facility, and H Reactor FSB waste were disposed in ERDF. Approximately 907 metric tons (1,000 tons) of lead-alloy bricks from the 300 Area were also placed for macroencapsulation. ERDF also continues to receive and dispose of ion exchange modules and empty fuel canisters from Fluor Hanford's (FH) K Basin Spent Nuclear Fuel Project, and waste from the FH Groundwater Project.

During June, 65,645 metric tons (72,362 tons) of contaminated waste were disposed in ERDF, for a total of 490,676 metric tons (540,881 tons) disposed to date in FY03. A total of 3,954,319 metric tons (4,358,913 tons) of waste have been disposed in ERDF since operations began in July 1996.



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MAJOR COMMITMENTS (FISCAL YEAR PLUS 6 MONTHS)

TPA Milestone	Description	Due Date	(F)/(A) Date
M-16-10A	Initiate Remedial Action in the 100-KR-1 Operable Unit	08/01/03	12/11/02 (A)
M-93-16	Complete 105-DR Reactor Interim Safe Storage	09/30/03	01/29/03 (A)
M-16-63*	Submit a Schedule and TPA Milestones to Complete Interim Remedial Actions for the Following 300-FF-2 Waste Sites (300-259, 303-M SA, 303-M UOF, UPR-300-46, URP-300-17, and 618-1) and Confirmatory Sampling of the Following 300-FF-2 Candidate Sites (300-109, 300-110, and 333 ESHWSA)	11/30/03	At Risk*
M-94-01*	Submit a Schedule and TPA Milestones to Complete Disposition of the Following Surplus Facilities: 303M, 332, 333, 334, 334A, 3221, 3222, 3223, 324, 3225, 324, 324B, 327 (River Corridor scope currently maintained by FH)	11/30/03	At Risk*
M-16-13B	Complete Remediation and Backfill of 16 Liquid Waste Sites and Process Effluent Pipelines in the 100-FR-1 and 100-FR-2 Operable Units as Defined in the Remedial Design Report/ Remedial Action Work Plan for the 100 Area	10/29/04	05/20/03 (A)

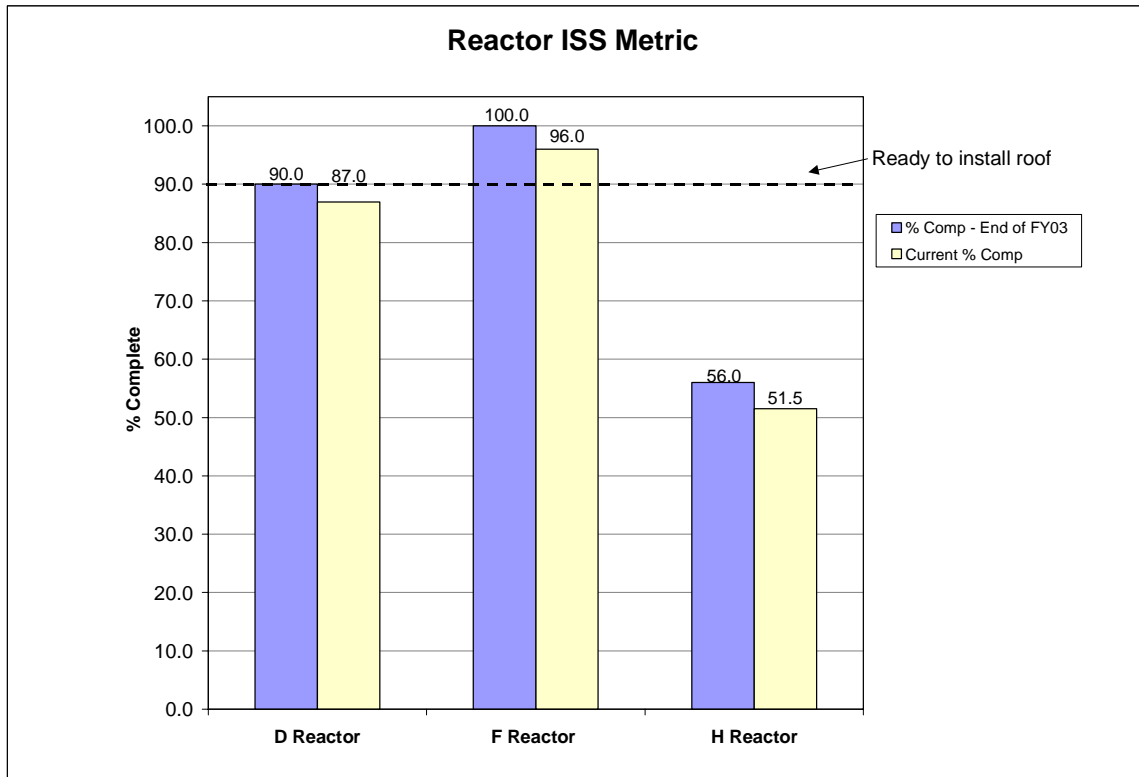
*RL is discussing potential impacts/options with the regulators.

PERFORMANCE OBJECTIVES

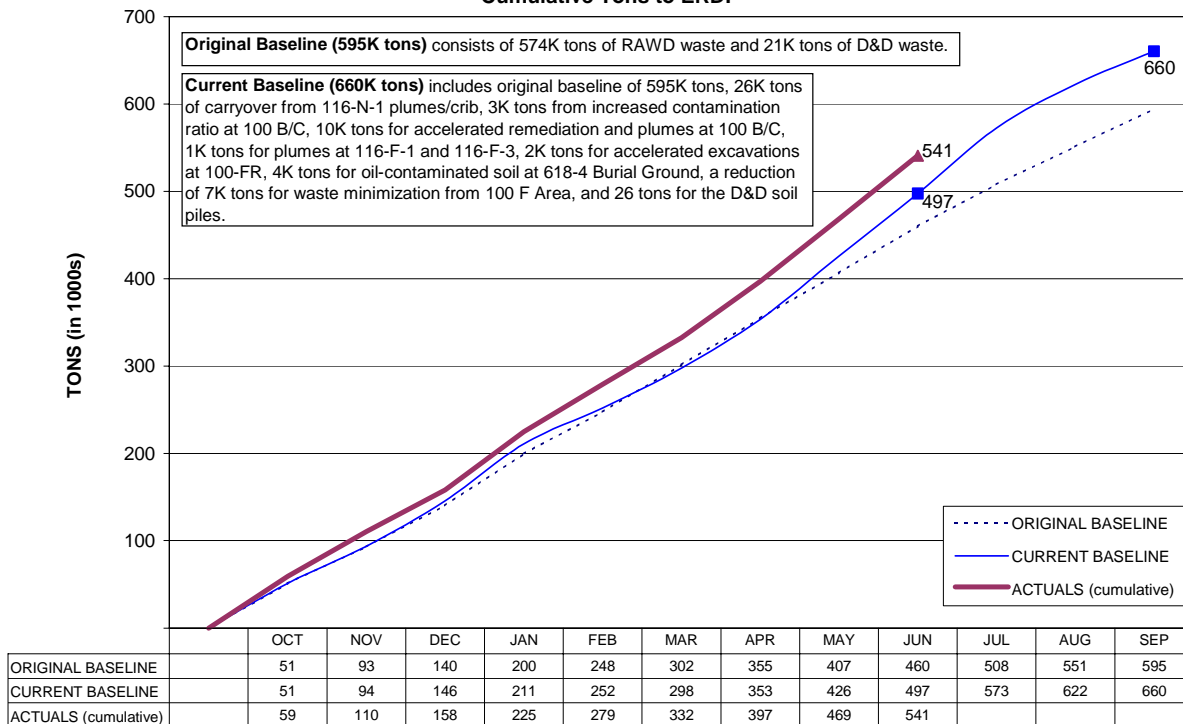
PI	Task
 F Reactor Interim Safe Storage	<p>Complete FY02 carryover ISS activities at F Reactor by November 20, 2002.</p> <p>Status: Completed on November 13, 2002. Notice of Completion package transmitted to RL on January 8, 2003. RL completed review and approved payment of full fee on January 30, 2003.</p>
 Accelerate River Corridor D&D and Remediation of Release Sites	<p>Complete 32 release sites (cleanup verification package [CVP] or waste site reclassification sheet [WRS]) and demolition of 2 facilities.</p> <p>Status: Complete. As of month-end June, 49 waste sites have been completed. Demolition and loadout have been completed for 2 facilities (1720-HA Arsenal Building [April 22] and 118-C-4 Horizontal Rod Storage Cave [June 4]); rods have also been disposed. NOC package is currently being developed for transmittal to RL for approval.</p> <p>Exceed baseline disposal total (457K tons) up to a total of 65.5K additional tons. Complete 15 additional release sites (CVP or WRS). Complete demolition of a third facility.</p> <p>Status: Complete. Through June, 526.2K tons of waste have been disposed. Completion of additional release sites was also achieved (see above PI status). Demolition and loadout were completed for the 117-DR Filter Building on June 17. NOC package is currently being developed for transmittal to RL for approval.</p> <p>Achieve ISS progress in accordance with DWP.</p> <p>Status: Complete. ISS planned activities for D, H, and F Reactors completed on schedule through June. NOC package is currently being developed for transmittal to RL for approval.</p>

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PERFORMANCE MEASURES/METRICS



**Remedial Action Metric
Cumulative Tons to ERDF**

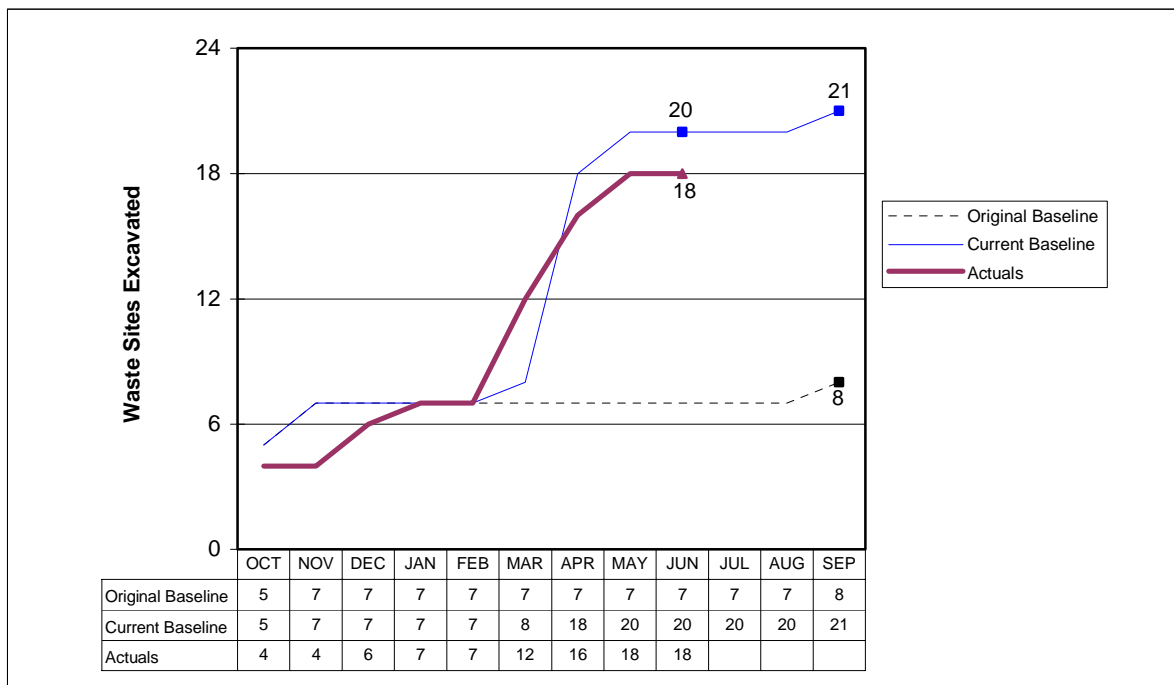


*Includes ERC RAWD, ERC Other, and Other Hanford Contractor

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PERFORMANCE MEASURES/METRICS (continued)

Waste Site Metric
Excavations Completed (cumulative)



Technology Deployments

Technology Deployment	PBS	Date Deployed	First-Time Deployment
Enhanced Site Characterization System (deployed at 618-5 Burial Ground)	RC02	10/02	No
RF Camera System for Brokk™ (deployed at H Reactor FSB)	RC01	10/02	Yes
IPIX 360-Degree Photography (deployed at C Reactor)	RC01	11/02	Yes
Mobile Access Control (Dolphin platform) (deployed at 100 K Area)	RC01	12/02	Yes
Ultra Lift (deployed at 100 N Area)	RC01	01/03	Yes
ISO-CART (deployed at 190-DR Facility)	RC01	02/03	Yes
ERDF Truck Survey Tool (Dolphin platform) (deployed at 100 B/C remedial action sites)	RC01	02/03	Yes

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COST/SCHEDULE STATUS

ERC - SCHEDULE VARIANCE	BCWS	BCWP	Variance
	\$K	\$K	\$K
RC01 - 100 Area River Corridor Cleanup	51,626	53,120	1,494
RC02 - 300 Area Cleanup	9,823	11,121	1,298
RC05 - River Corridor Waste Management	25,265	25,936	671
SC01 - Near-Term Stewardship	51	49	-2
TOTAL ERC	86,765	90,226	3,461

PBS-RC01 – 100 Area River Corridor Cleanup

Schedule Variance = **\$1,494K; 2.9%**

Cause: 100 N Area plume excavation completed ahead of schedule. 100 K Area excavation and 100 F Area cleanup verification package preparation/backfill are ahead of schedule.

Resolution: N/A

Cause: F Reactor SSE roof installation is approximately one month ahead of schedule; less sampling and analysis required for D Reactor FSB side slopes.

Resolution: N/A

PBS-RC02 – 300 Area Cleanup

Schedule Variance = **\$1,298K; 13.2%**

Cause: 618-5 Burial Ground soil excavation and sampling activities were finished ahead of schedule. Remaining loadout activities are scheduled for completion in August.

Resolution: N/A

PBS-RC05 – River Corridor Waste Management

Schedule Variance = **\$671K; 2.7%**

Cause: LDR lead soil treatment ahead of schedule; waste disposal also ahead of plan.

Resolution: N/A

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COST/SCHEDULE STATUS (continued)

ERC - COST VARIANCE	FY03 EAC	BCWP	ACWP	Variance
	\$K	\$K	\$K	\$K
RC01 - 100 Area River Corridor Cleanup	66,707	53,120	50,849	2,271
RC02 - 300 Area Cleanup	11,583	11,121	9,515	1,606
RC05 - River Corridor Waste Management	33,010	25,936	24,179	1,757
SC01 - Near-Term Stewardship	79	49	31	18
TOTAL ERC	111,379	90,226	84,574	5,652

PBS-RC01 – 100 Area River Corridor Cleanup

Cost Variance = **\$2,271K; 4.3%**

Cause: Less program management support to projects than planned.

Resolution: Underrun reflected in EAC.

Cause: Prior-year provisional rate rebill accounting adjustments were realized in March.

Resolution: Underrun reflected in EAC.

Cause: ISS overrun due to side slope contamination at D Reactor FSB, and additional equipment moves for 117-DR Filter Building demolition and loadout.

Resolution: Overrun reflected in EAC.

PBS-RC02 – 300 Area Cleanup

Cost Variance = **\$1,606K; 14.4%**

Cause: Efficiencies realized in 618-4 Burial Ground sorting, sampling, and loadout of contaminated soils; consolidation of common 618-4 and 618-5 Burial Ground remediation activities.

Resolution: Underrun reflected in EAC.

PBS-RC05 – River Corridor Waste Management

Cost Variance = **\$1,757K; 6.8%**

Cause: Subcontract negotiations yielded reduced LDR lead soil treatment costs; uranium oxide preliminary treatment plan was simplified; streamlined design approach for ERDF Cells 5 and 6 construction resulted in lower costs than planned; underruns partially offset by increased transportation requirements from waste sites.

Resolution: Underrun reflected in EAC.

Cause: Prior-year provisional rate rebill accounting adjustments were realized in March.

Resolution: Underrun reflected in EAC.

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ISSUES (REGULATORY/EXTERNAL/DOE)

- **M-16-63 and M-94-01:** Tri-Party Agreement Milestone M-16-63, "Submit a Schedule and TPA Milestones to Complete Interim Remedial Actions for the Following 300-FF-2 Waste Sites (300-259, 303-M SA, 303-M UOF, UPR-300-46, UPR-300-17, and 618-1) and Confirmatory Sampling of the Following 300-FF-2 Candidate Sites (300-109, 300-110, and 333 ESHWSA)"; and Milestone M-94-01, "Submit a Schedule and TPA Milestones to Complete Disposition of the Following Surplus Facilities: 303M, 332, 333, 334, 334A, 3221, 3222, 3223, 3224, 3225, 324, 324B, 327" (both due November 30, 2003), are at risk due to the delay in awarding the River Corridor contract.

Strategy/Status: RL is discussing potential impacts with EPA and Ecology as well as options for resolution of these milestones.

INTEGRATION ACTIVITIES

Two databases, the Project-Specific Database (PSDB) and the Environmental Remediation Database (ENRE), were consolidated into a single integrated data system. The system integration provides improved user support to ERC projects, while eliminating the PSDB system. The new ENRE system is used to transfer ERC analytical information into the site-wide Hanford Environmental Information System (HEIS).

Fluor Hanford (FH) completed decommissioning eight wells in the 100 N Area on June 25. This work is in support of decontamination and decommissioning activities at the emergency dump tank/basin.